



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>7</sup> :</b><br><b>C12Q 1/68</b>   | <b>A2</b> | <b>(11) International Publication Number:</b> <b>WO 00/20629</b><br><b>(43) International Publication Date:</b> 13 April 2000 (13.04.00)   |
| <b>(21) International Application Number:</b> PCT/CA99/00917<br><b>(22) International Filing Date:</b> 4 October 1999 (04.10.99)<br><br><b>(30) Priority Data:</b><br>60/103,153 5 October 1998 (05.10.98) US<br><br><b>(71) Applicant (for all designated States except US):</b> CONNAUGHT LABORATORIES LIMITED [CA/CA]; 1755 Steeles Avenue, Toronto, Ontario M2R 3T4 (CA).<br><br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> PARRINGTON, Mark [CA/CA]; 45 Martin Street, Bradford, Ontario L3Z 1Z4 (CA). CATERINI, Judith, E. [CA/CA]; 91 Chatfield Drive, Ajax, Ontario L1P 2J4 (CA). KLEIN, Michel, H. [CA/CA]; 16 Munro Boulevard, Willowdale, Ontario M2P 1B9 (CA).<br><br><b>(74) Agent:</b> STEWART, Michael, I.; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (CA). |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>Without international search report and to be republished upon receipt of that report.</i> |
| <b>(54) Title:</b> QUANTITATION OF RNA   |           |  |
| <b>(57) Abstract</b><br><br>An accurate method of determining the quantity of specific RNA in a tissue sample permits analysis of rare transcripts, such as cytokines, and is based on a modified RNA isolation procedure, RT-PCR in a single enzyme reaction, detection and quantification, preferably employing an RNA standard.   |           |  |